

A project report on

FIBER BASKET

Submitted in partial fulfilment of the requirements for
the Final year award degree of



MASTER OF COMPUTER APPLICATIONS

**Visvesvaraya Technological University
Belgaum, Karnataka**

Submitted By

Ashwini H N

1CR18MCA54



CMR INSTITUTE OF TECHNOLOGY

**132, IT Park Road, Kundalahalli, AECS Layout, Bangalore-560037
2019-2020**

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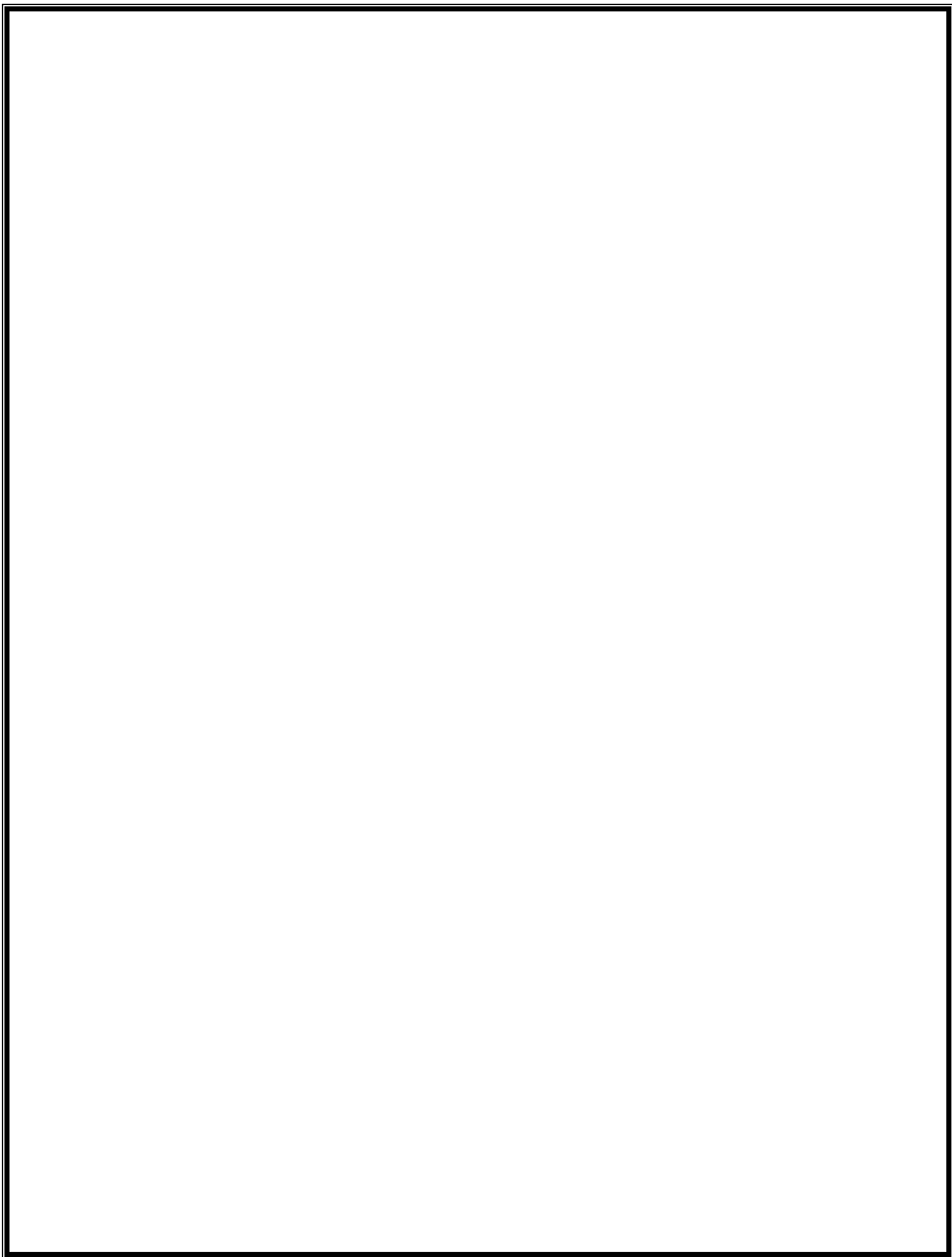
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132, IT Park Road, Kundalahalli, Bangalore-560037

2019-2020



CMR INSTITUTE OF TECHNOLOGY

Department of Master of Computer Applications

Bangalore - 560 037



CERTIFICATE

This is to certify that the project work entitled

FIBER BASKET

Submitted in partial fulfilment of the requirement for the
award of the degree of
Master of Computer Applications of the
Visvesvaraya Technological University, Belgaum, Karnataka bonafide
work carried out by

ASHWINI H N

1CR18MCA54

during the academic year 2019-

2020.

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Name of the Examiners

- 1.
- 2.

Signature with date



Date :- 22nd May 2020

TO WHOMSOEVER IT MAY CONCERN

This is the project completion certificate for Ms.Ashwini H N (1CR18MCA54) of CMR Institute of Technology. We state on record that she successfully completed her project entitled to **"FIBER BASKET"** at Crush IT. She has carried out her internship project in this company from the duration of 14th February 2020 to 20th May 2020. Under the guidance of Jayrajsinh Jadeja (jayrajsinh.jadeja@armentum.co). During her tenure with us she had shown punctual, hardworking and physical and analytical skills and her conduct was good. We wish her every success in her future career.

Yours sincerely,

Richa Sareen

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DECLARATION

I, **ASHWINI H N**, student of 6th MCA, **CMR Institution of Technology**, bearing the USN **1CR18MCA54**, hereby declare that the project entitled “**FIBER BASKET**” has been carried out by me under the supervision of External Guide **Mr. Jayraj Sinha Jadeja**, Project Manager, and Internal Guide **Dr. Illango , Professor, Dept. of Master of Computer Applications** and submitted in the partial fulfillment of the requirements for the award of the Degree of Master of Computer Applications by the **Visvesvaraya Technological University** during the academic year 2019-2020. The reports has not been submitted to any other University or Institute for the award of any degree or certificate.

Place: Bangalore

ASHWINI H N

Date:

ACKNOWLEDGEMENT

I would like to thank all those who are involved in this endeavor for their kind cooperation for its successful completion. At the outset, I wish to express my sincere gratitude to all those people who have helped me to complete this project in an efficient manner.

I offer my special thanks to my external project guide Mr. Jayraj Sinha Jadeja, Crush IT., Bangalore, and to my Internal Project guide Dr. Illango, Department of MCA, CMRIT, Bangalore without whose help and support throughout this project would not have been this success.

I am thankful to Dr. SANJAY JAIN, Principal, CMRIT, Bangalore for his kind support in all respect during my study. I would like to thank Mr. Jayraj Sinha Jadeja, Project Manager, Crush IT., Bangalore, who gave opportunity to do this project at an extreme organization Most of all and more than ever, I would like to thanks my family members for their warmness, support, encouragement, kindness and patience. I am really thankful to all my friends who always advised and motivated me throughout the course.

ASHWINI H N

(1CR18MCA54)

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CHAPTER-1

INTRODUCTION

1.PROJECT DESCRIPTION

The major viewpoint of this endeavor is to bring the availability of acceptable integrity yarn through an e-commerce website. It is a secure and safest purchasing site. The data related to the available products and the type of yarn details are reached to the customers. The increased crafts works are creating the demand for the knitting and crocheting of the yarn. This yarn is also used for the handcrafting of the woolen scarfs, socks, sweaters, and toys. This is mainly located in Minot where the qualified and finest yarn is made available to the customers through an online website. You can get quality yarn in Minot. We currently feature Cascade and Plymouth Yarns, as well as Mountain Meadow Wool. We have wools, acrylic and wool blends, alpaca and llama, and silk blends in various weights. We can help you choose your yarn and knitting or crochet projects!

Minot's Finest Yarn Shop. Knitting or crocheting with yarn is a fantastic way to relax and to show off your creativity. Just a few basic stitches, either in knitting or crochet, and you will be on your way to making scarfs and hats, sweaters and socks, afghans, and toys. Let us help you find the right yarn, learn a new technique, or get inspired to finish a project.

OBJECTIVE & TASK DESCRIPTION:

Strengthen the online presence for Fiber Basket via the design and development of a brand new e-commerce website.

- Define a new visual presence for the Fiber Basket brand via the design of a brand new website.
- Implement strong Calls-to-Action and logical arrangement of content across all pages of the site.

- Create an online store that better showcases Fiber Basket’s products and improves the checkout process.
- Implement Classes and Events modules to allow users to browse and enroll in upcoming activities.
- Implement a payment gateway to allow users to pay for purchases via Credit/Debit Cards and/or PayPal.
- Implement a Login and Signup feature to allow users to create accounts and store contact/payment info.
- Convert completed page designs to fully functional and responsive web pages on Word Press CMS.
- Implement a content management tool to allow clients to easily manage/edit basic content throughout the website.

1.2 COMPANY PROFILE

Crush IT, a product of Armentum– a US-IT organization, is a one-stop-shop for all the needs of both institutes and students. We make hiring easier than ever before. The main aspect is to provide incredible assistance to our customers. We jam by a Committee of powerful Youths with hardworking essence and Steered by the Exhort to be the Fairest. We Speculate in Organizing long-term connections with our customers by providing value-added assistance of elevated disposition. The best training is also given to the students to train them efficiently and knowledgeably. The projects carried out here are the live projects and proper guidance is given to the internship trainees.

OBJECTIVES

. Work on e-commerce and web-based Entreaty. The web-based applications are on high demand in today’s scenario and it also helps to bring out the qualified designed products and sites.

- Convert PSD to HTML responsive web pages
- Work on creating a dynamic webpage based on JavaScript and PHP scripting

- Work on Word Press(CMS) and Woo Commerce management and new plugins which helps to create a more customized view of the technologies used in creating websites with new features

SERVICES AND SOLUTIONS

- We present industry-specify training and internship programs to help students gain the right and unparalleled knowledge. Our well-designed internship module allows the students to
- Develop their skills and implement them in their works.
- Work under the guidance of their team leaders and eventually on Live Projects which enhance their skills learned.
- Push their limits and become a Product Thinker.

CHAPTER-2

LITERATURE SURVEY

2.1.EXISTING SYSTEM:

Web development greatly refers to the Chores associated with **formulating** websites for hosting via the internet.

The **web development procedure** comprises web layout, web content improvement, client-side/server-side scripting, and network security composition, among other assignments.

Subsequently evaluating the requirements of the job to be conducted, the further step is to evaluate the crisis and comprehend its context. The primary action in the stage is reviewing the occurring strategy and the other is to realize the urgencies and realm of the new system. Both aspects are equally important, but the early action fulfills the purpose of lending the intentional specifications and then winning the construct of the formulated network. The insight the equity and needs of an exotic system are also complicated and requires intensive guessing and knowledge of the prevailing operating system is likewise drawback, an outrageous awareness of the present system can oversee pursuit from the outcome.

Drawbacks of the prevailing System:

- ✦ The current system is completely manual.
- ✦ As every work is done manually it may increase the chances of errors.
- ✦ It doesn't have the feature to give a quick response to the query. ✦ Manual systems probably consume more time and man work.
- ✦ Extra man compel.
- ✦ Depletes a huge quantity of strip job.
- ✦ Due to a lack of attention machines may get damaged.

PROPOSED SYSTEM

The formulated strategy can withstand the restrictions of the living system.. The network furnishes protection and it doesn't compel physical work. The surviving system has various flaws and several extra troubles to work adequately. The suggested system eradicates these obstacles up to a few breaths. The directed policy assists the stoners to work user familiarly and he can handily do his chores without moment waning.

Goals of Proposed System:

The system is very modest in construct and to enact. The submitted system expects relatively deep system reserves and the system will work in all compositions.

It has got subsequent characteristics

- ✦ The system can generate reports and data immediately.
- ✦ It avoids stationary expenses also.
- ✦ The new proposed system provides online expenditure capability.
- ✦ It is lenient to maintain and catalog history.
- ✦ Simple to unravel customer inquiry.
- ✦ Give a decent defense in the modern procedure.
- ✦ Lend the response.
- ✦ Ensure information precision.
- ✦ Reasonable supervision of the elevated administrators.
- ✦ Curtail the harms of the devices.
- ✦ Reduce physical information storage.
- ✦ Doesn't consume more time.
- ✦ Tremendous efficiency.
- ✦ Promising assistance.
- ✦ User familiarity and responsive.
- ✦ The least Period crucial.
- ✦ In the new strategy, customers can purchase mobile online.
- ✦ Save time and money by online shopping ✦ Customers can see the latest designs.

2.2 FEASIBILITY STUDY

A feasibility study is used to indicate whether an idea or a project is worth-worthy or not i.e. in terms of resources including time, budget, performance, etc. In some cases, a project may not be feasible enough to carry out since it requires a lot of investment regarding resources, which is more than the estimated budget and again may lead to a burden to the organization. That's why the developer of the project is very much necessary to understand every corner of the modules which are to be implemented thoroughly. This may involve improving or modifying the existing system or else reconstruct the new system completely. Some of the feasibility studies are given below:

○ Technical Feasibility

This study is one of the most helpful studies for developing software. After going through several means of testing, we can conclude our system is feasible if technically satisfied. A lot of systems(PCs) are there which support different versions of Windows OS, the developer followed some constraints during the development of the project in such a way that it will be suitable for all the versions of the Windows OS.

○ Economic Feasibility

The overall cost to develop our system is determined by this study. After knowing the intention of customers or users or people who are going to use our system, the comparison of the cost of many existing systems and our system is necessary. The proposed system has been developed with available resources. An ordinary man can also afford and use our system with more advanced features which in turn saves time and money as well.

○ Operational Feasibility

This study tells how the application operates in the running environment or system. The system operation of Operational Feasibility is the extended level in the improvement existence cycle of a

procedure. So, active feasibility must be lent more Implication. It gives the satisfaction of the requirements to develop the application. One can use their very easily for security purpose.

○ Behavioral Feasibility

This study gives the relation between the system and users. Shows how users behave using the system, it is helpful or not. Many such questions can be popped up, but those answers can only be given by the users after using the system thoroughly. A common man can also operate this system very easily by seeing the operation once.

2.3. TOOLS AND TECHNOLOGIES USED

To develop a particular application, it is mandatory to wisely decide which tools and technologies are to be used and why. Choosing the proper tools and technologies based on today's trends is the only way to make the application work or use by the clients for a longer period and can modernize occasionally. That's why after consideration carefully, we decided to use java technology in our system implementation, which is one of the most arising or root technologies for developing web-based requests and mobile applications.

1.HTML

HTML (hypertext markup language) is a fundamental coding language which helps the programmer to develop their web pages and can be used to display their contents through the browser. Its core aim is to enhance the language with assistance for the deceased multimedia. Results, maintenance it skillfully coherent By using the several tags provided by the HTML, a programmer can create a web page very easily.

2.CSS

CSS (Cascading style sheets) is a language that procures a style to a web page created by the programmer. The style can be color, background color, font size, etc. it makes the web page look good. It is the style sheet language used for interpreting the attire and reformatting of an article,

including plain XML, SVG, and XUL. CSS is mainly used to makeover pages with extra colorful and with fully integrated designs.

3.JAVASCRIPT

JAVASCRIPT is a programming language that helps the programmer to make more interactive web pages. By collaborating the above three languages, a programmer can make or design a website in a proper way. JS is a full-fledged vibrant programming language that, when pertained to an HTML document, we expect intense interactivity in websites.

5.JQUERY

jQuery is very simpler and easy to understand language which has the feature of getting the extended functionality and allows the users to use it to maintain the usability and the enlarged functionality of the chores which are assigned to the particular functionality. It allows the tricky functionalities to be used as simple in the jquery. The jQuery library comprises the following features:

• BACK END:

It is very much necessary for a software developer to maintain, organize, and process the user's data. By doing so, the administrator of the application or website can trace valuable users' data regarding what has been done, which pages have been visited, etc. So, we need some technologies to maintain all the above-mentioned things as follows:

- **JSP:** JSP(Java Server Page) is a programming language that assists a programmer to build a vigorous web page[5]. The several tasks done by the users on the website have to be recorded properly for the organization's purpose. Such things are done by using JSP.
- **MySQL:** MYSQL is a collection of software that is freely available RDBMS that uses SQL. By using several SQL queries, the user's data have to be recorded in a database. It gives quick accessing power. It provides a flexible, reliable, and easy way of processing the data.

- **Woo Commerce:** Woo Commerce is an open-source e-commerce plugin for WordPress and it is designed for tiny to large-volume online customers using word press. It is a plugin that was Undertook on September 27, 2011, sooner became popular for its clearness to install and bespoke and free base product.
- **Word Press:** word press is a volume supervision strategy composed in PHP dual with a MySQL, MariaDB, or SQLite database. Outlines encompass a plugin architecture and a template system, cited within WordPress as Themes.

2.4. HARDWARE AND SOFTWARE REQUIREMENTS:

To run a particular application in the real system or environment, some fundamental requirements must be satisfied by the application. There should be a proper installation of software in the system and also the specification of hardware should be compatible with the system.

Hardware Requirements (Minimum):

- † Processor: Intel Core™ i3-6006U CPU @2.00GHz
- † RAM:4GB
- † Key Board: Standard Keyboard
- † Mouse: Two Button Standard Keyboard

(Minimum):

- † Operating System: Windows 10 pro
- † Technologies: Html, JavaScript, CSS
- † Platform: Web-only
- † Responsive: Fully Responsive
- † Front-end: HTML/CSS/SASS
- † Back-end: PHP 7.0 on WordPress CMS + Woo Commerce

CHAPTER-3

SOFTWARE REQUIREMENT SPECIFICATION

3.SOFTWARE REQUIREMENT SPECIFICATION

A **software requirements specification (SRS)** is an explicit portrayal of a software system to be refined with its practical and non-practical **regulations**. It is the thorough specifications that are stipulated by the customers to the developers and hence it behaves as the pact between customers and contractors. It also contains use trails which illustrate how stoner interacts with the software system.

This chapter explains the SRS of the project. To create a particular project, one must make the SRS first. It includes facts and figures of the project such as modules to be implemented, roles of the modules, diagrams of different modules and their interrelation, etc. The SRS gives the overall ideas of the tasks to be done or implemented. By making a proper SRS gives the overall ideas of the tasks to be done or implemented. By making a proper SRS makes the software developers take less time, work, and money to carry out the planned tasks properly promptly. It also gives the proper interaction between software and hardware in the real environment. Speed, accuracy, response time, security, etc. is estimated by SRS. Thus, it is very much needed to make a proper SRS before we start creating a project.

The user of the suggested system desire that the developed software should be user familiarity, have protective entry, and assure the secrecy of the User's photo. The users are not often vulnerable to the system, so the system interface to the user have to be modest and apparent.

Requirements to create or design a project:

1. Make an outline
2. Define the purpose of your product
3. Describe what you're building
4. Detail the requirements

5. Get it approved

Functionality Requirements of a project:

- A purpose
- An overall description
- Specific requirements

DEFINITIONS, ACRONYMS & ABBREVIATIONS

- **SDK:** Software Development Kit, a collection of software tools that allows us to create the application for several varieties of software packages.
- **SRS:** Software Requirement Specification gives the overall ideas of the project and steps to follow for implementation
- **E-mail:** Electronic Mail, which is utilized to deliver and obtain private keys.
- **CodeKit:** CodeKit is a front-end web development tool. This tool gives benefits to erect websites rapidly. It linters, and syntax-checks JavaScript. It also optimizes images.

FEATURES OF CODE KIT

- CSS alters are inoculated without the want of filling the full page
- Integrates scripts to lessen HTTP requests
- Minify code to diminish file size
- Helps voluntarily with large languages without trouble
- ✦ **WebStorm:** WebStorm lives a creative coding subsidy for JavaScript. It gives progressive coding service for Angular, React.js, Vue.js, and Metro. It also enables creators to code extra efficiently when working with large projects.

Features

- WebStorm helps every creator to code more efficiently when working with large projects and other websites.
- It includes built-in tools for debugging, testing, and outlining client-side and Node.js applications.
- It combines with prominent command-line tools for web advancement.

- Spy is a built-in tool permit copying JavaScript code. ○ It gives unanimous UI for working with various important edition Control System.
- It is incredibly customizable to flawless suite much coding code and Node.js apps.

CHROME DEVELOPER TOOLS

- The Chrome creator Tools are a group of debugging tools built into chrome. These permits creators to do assortments of testing which handily recouped a lot of periods.
- it permits adding custom CSS rules.
- Users can view Margin, Border, and padding. ○ It assists to imitate Mobile Devices. ○ Apparent to use dev tools as editor. ○ Users can handily maim browser's caching when dev tools are clear.
- **Apache:** Apache is an open-source web server, which was emerged in 1999 and used vastly among all the developers. This helps to run the web servers on apache this also improved in the vast usage of the internet. All over the world.
- **xampp:** there is a lot of advantages to using xampp. It is available to download in an open-source platform.it merges all the other required languages and combines in one file and helps to use all in one language format features.
- **xamppserver:** xampp server is an open-source that is available on the internet to download free to all the required users. It also consists of MySQL, PHP, and it also consists of the PHP server and localhost servers.
- **Stack Overflow:** Stack Overflow is effortlessly the largest creator website which is visited by almost 50 million developers per month to improve their knowledge.

3.1. USERS:

Users are those who are working on or make use of the assistance furnish by the application. They are the accessors of the application. They are:

+ UNREGISTERED USERS

- View/interact with content on the homepage and all internal pages.
- View product categories and individual product details via Online Store
- Complete online purchase and process via Credit/Debit Card and/or PayPal
- View available course and other events and register/pay for courses required
- Be enticed to purchase products and/or register for courses via strategic calls-to-action
- Subscribe to the newsletter to receive updates and/or promotions/discounts
- Create an account to store contact and payment information and/or receive exclusive promotions

+ REGISTERED USERS

- Interact with the same content and features as Unregistered Users, plus:
- Access account dashboard to view/edit contact and payment information, and view order history.

+ ADMINISTRATORS

- Update basic content as necessary, such as copy, images, and products.
- Receive notifications and monitor all necessary activity for form submissions, product purchases, and event registrations.
- Monitor all registered users and edit user status/account information as necessary.

3.2. FUNCTIONAL REQUIREMENTS:

Functional requirements give the system's functions or functionalities are to be carried out by the components or parts or modules of the application. Behavior requirements are those which describe the functions of the system are considered as behavior requirements and will be shown in the form of use cases.

There is a separate panel for every user or accessor as follows:

+ UNREGISTERED USERS:

- View/interact with content on the homepage and all internal pages.
- View product categories and individual product details vis online Store.
- Complete online purchase and process payment via Credit/Debit Card and/or PayPal.

- View available courses and other events, and register/pay for courses as required
- Be enticed to purchase products and/or register for courses via strategic calls-to-action
- Subscribe to the newsletter to receive updates and/or promotions/discounts.
- Create an account to store contact and payment information and/or receive exclusive promotions.

REGISTERED USERS

- Interact with the same content and features as Unregistered Users, plus:
- Access account dashboard to view/edit contact and payment information, and view order history.

ADMINISTRATOR

- Update basic content as necessary, such as copy, images, and products
- Receive notifications and monitor all necessary activity for form submissions, product purchase, and event registrations
- Monitor all registered users and edit user status/account information as necessary

3.3. NON-FUNCTIONALITY REQUIREMENTS:

1.AVAILABILITY: The application must be hosted or launched so that it can access any part of the world.

2.MAINTAINABILITY: The application can be maintained and can be used easily

3.SECURITY: To prevent unauthorized access, a cryptographic technique is used and details (private& public keys) are sent users an email.

4.PORTABILITY: The application is portable and can be accessed from any system through the internet.

5.USER FRIENDLY: User-friendliness is one of the most vital features of any product or application. The application should not make a burden to users regarding how to use the system. A user can be easily understood how it is working once he/she uses the application.

6.USABILITY: Usability means the ease with the system. The interface of the software should be familiar to users.

7.PERFORMANCE: The system should not take much time to provide services to users and must be accurate. Proper exception (error message) gives by the application when something is wrong when execution.

CHAPTER 4

SYSTEM DESIGN

4.1. SYSTEM PERSPECTIVE

In general, a system perspective gives the overall system design description which includes interaction between different sub-systems/entities which involves the creation of the entire system. The software advancement method can be defined as a collection of phases portraying the various procedures in the development process. System perspective involves the performance and functionalities of the system which would describe the system. These interactions can be depicted by architectural design.

Following diagram is the architectural design of the project

4.2. CONTEXT DIAGRAM:

In general, a context diagram is also known as a data flow diagram. The flow of data in the network is depicted as diagrammatically. It shows how the data has been processed through the system regarding inputs, outputs, and storage for them. Several levels of the diagram can be drawn one after another according to the project.

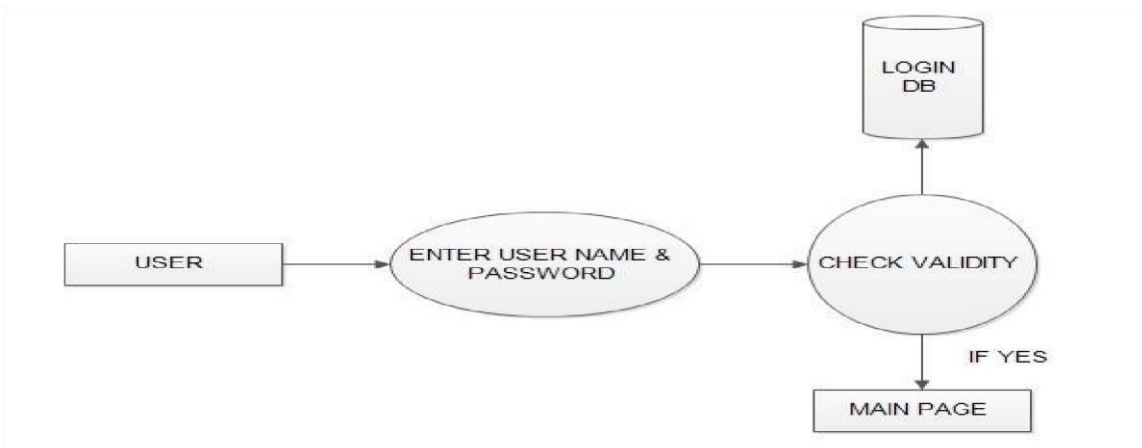


Figure 1

DATAFLOW DIAGRAM FOR THE USERS

The user has to enter a username and password. By checking the password and username the validity will be checked through the login database details. If it is valid then it is redirected into the main page.

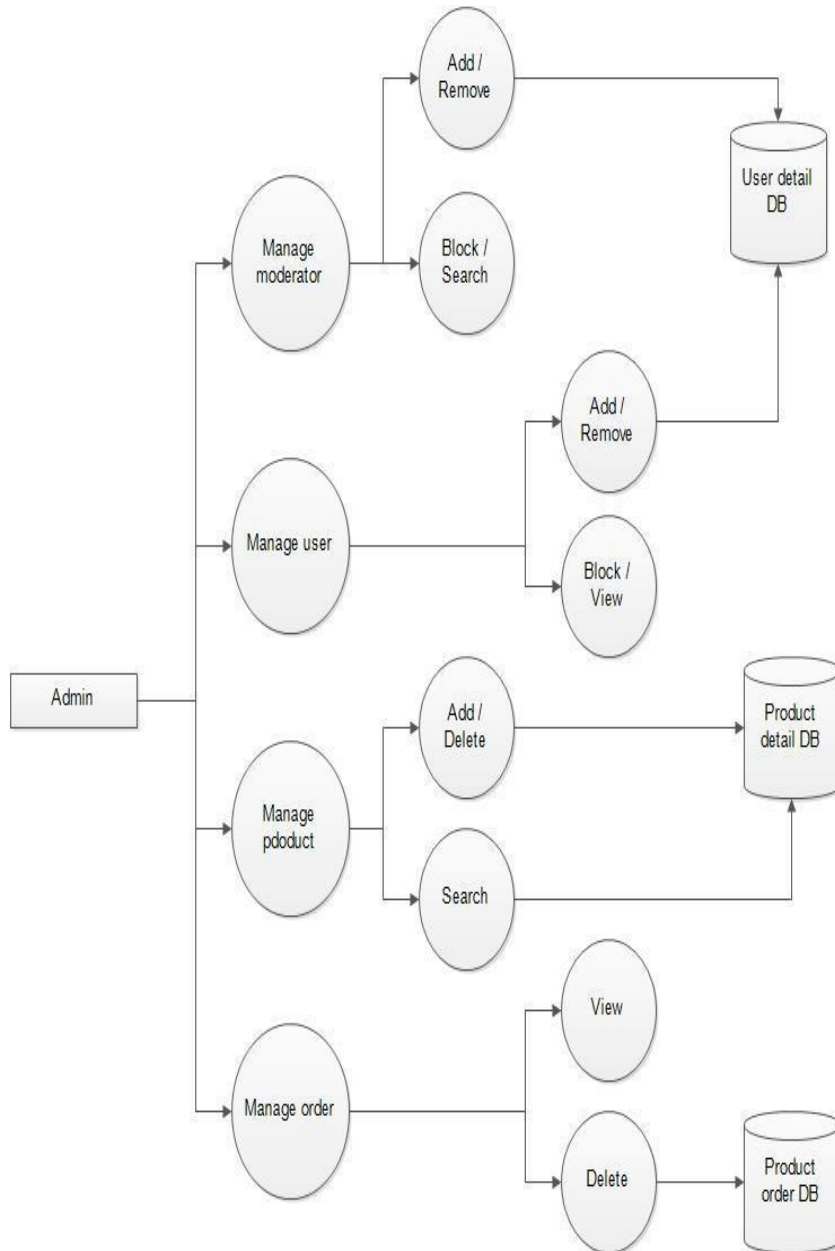


Figure 2

The admin is the one who manages all the functionality. The functionalities include manage users, manage products, manage orders. Manage product adds

4.3.ACTIVITY DIAGRAM

The activity diagram may be described as a flowchart that depicts the glide from one pastime to every other pastime. It essentially defines the sequence of steps that are followed to perform an activity.

- The diamond symbol represents the action.
- Begin of the manipulate go with the flow is indicated using the stable.
- A strong circle inside the whole circle represents the termination of the control.
- Arrow is used as a connector among the collection of activities.

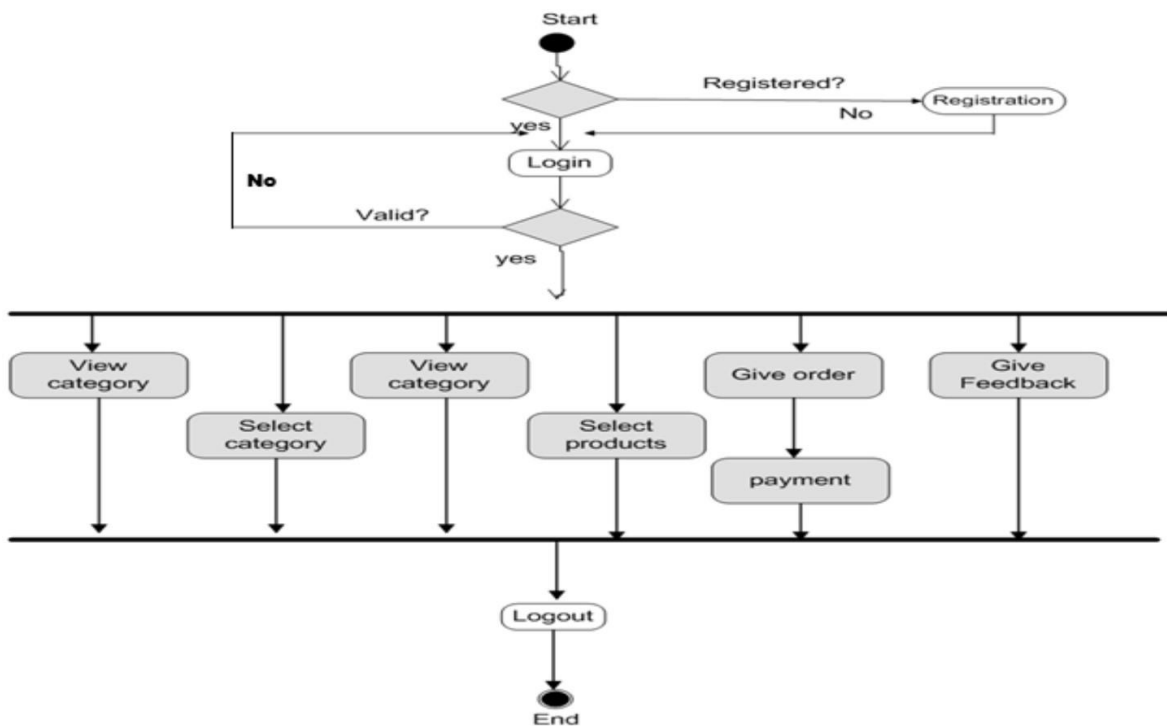


Figure 3

This diagram gives the details about the login credentials it checks with the valid username and whether it is registered or not. It also has various categories like view category to view the product, select category to select the product. To give the order and confirm it and also about the payments.

CHAPTER-5

DETAILED DESIGN

5.1. USE CASE DIAGRAM

The use case diagram indicates the mutual connection or relation between the system and the users. The users are called “actors”. It describes how the users are going to use or interact with the system. It defines the connection between the user and the system. It mentions use cases where the user is to be indebted, they are used to gather requirements of a system.

The following diagrams show the use case diagrams for different modules in the product.

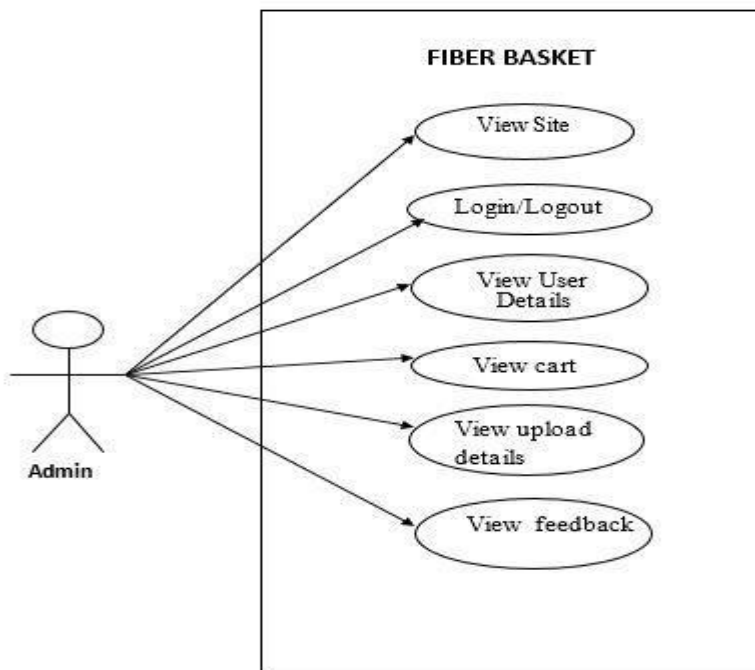


Fig.5.1. Use Case Diagram for admin

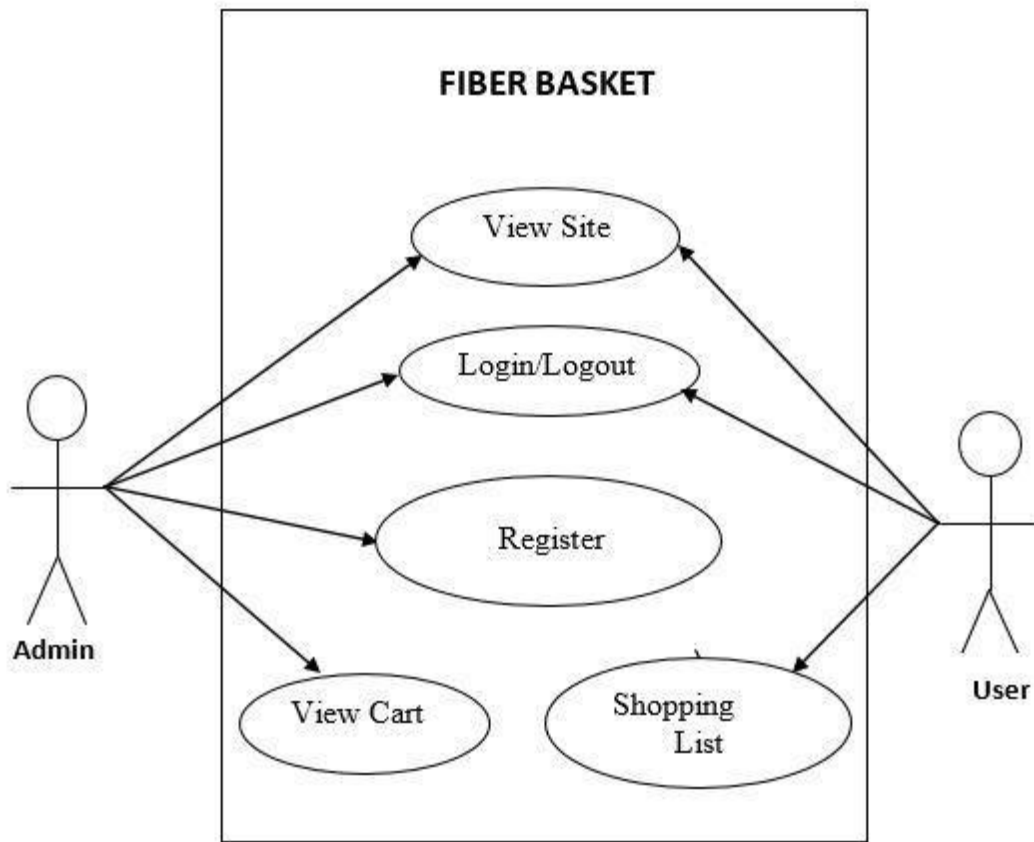


Fig.5.2.Use case Diagram for Admin and user

This diagram consists of the admin and the user which has view site, Login/logout, Register, view cart, and shopping list.

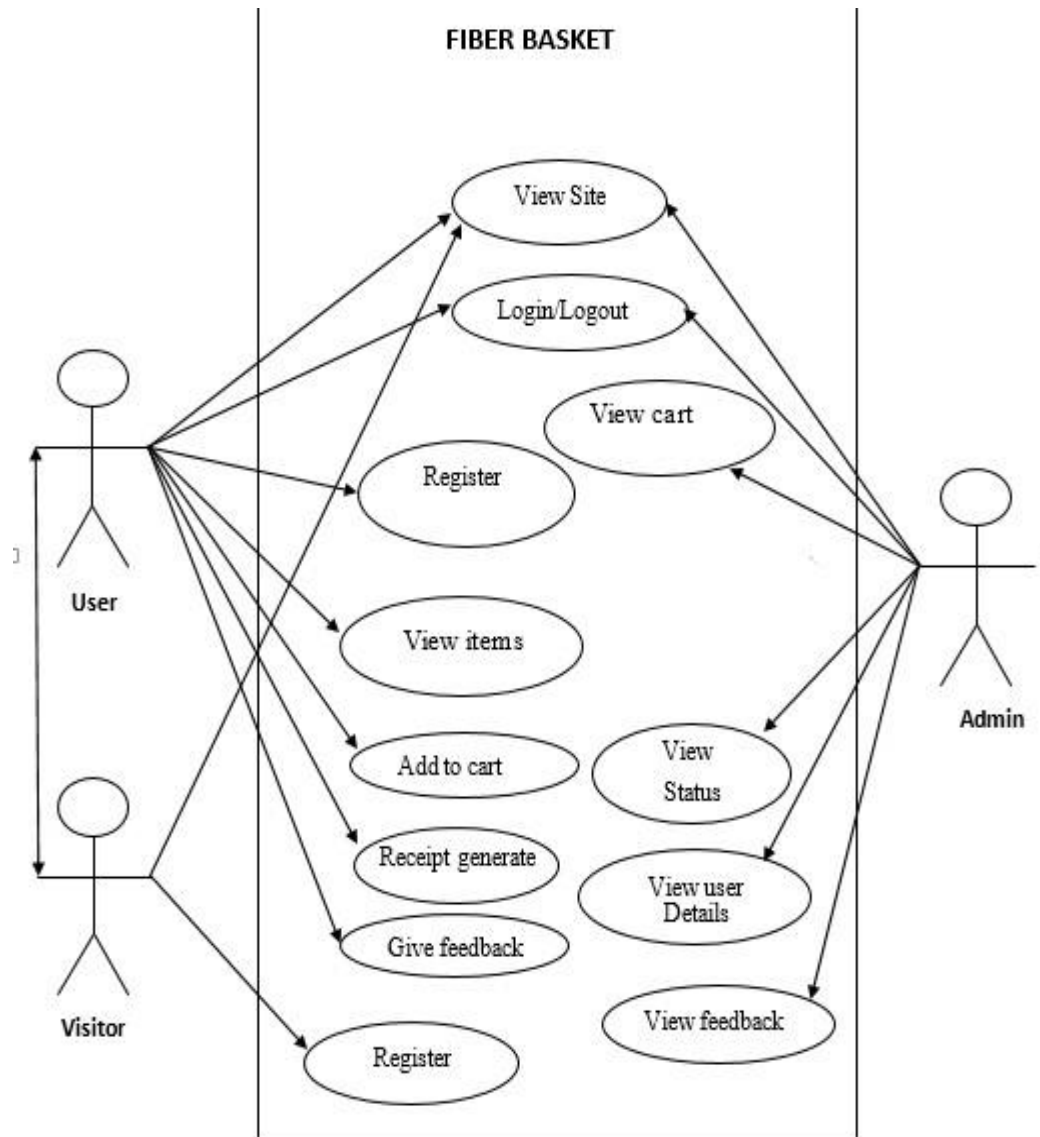


Fig 5.3. Use Case Diagram for User Admin and Visitor

Fig 5.3 use case diagram has user, visitor, and admin. Which has many activities like View Site, Login/Logout, View cart, register, View items?

5.2 CLASS DIAGRAM

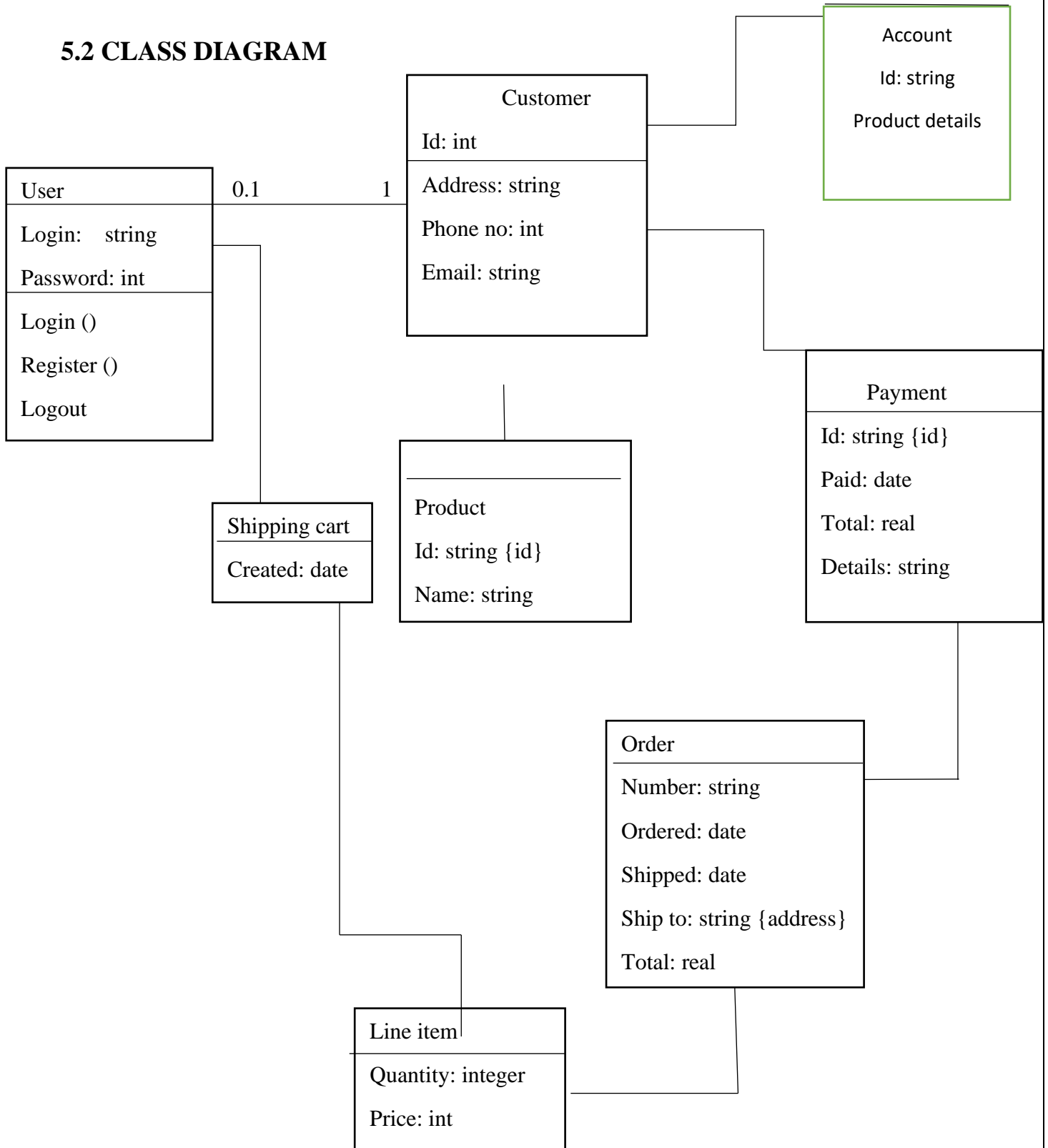


Figure 5.4

5.3 SEQUENCE DIAGRAM

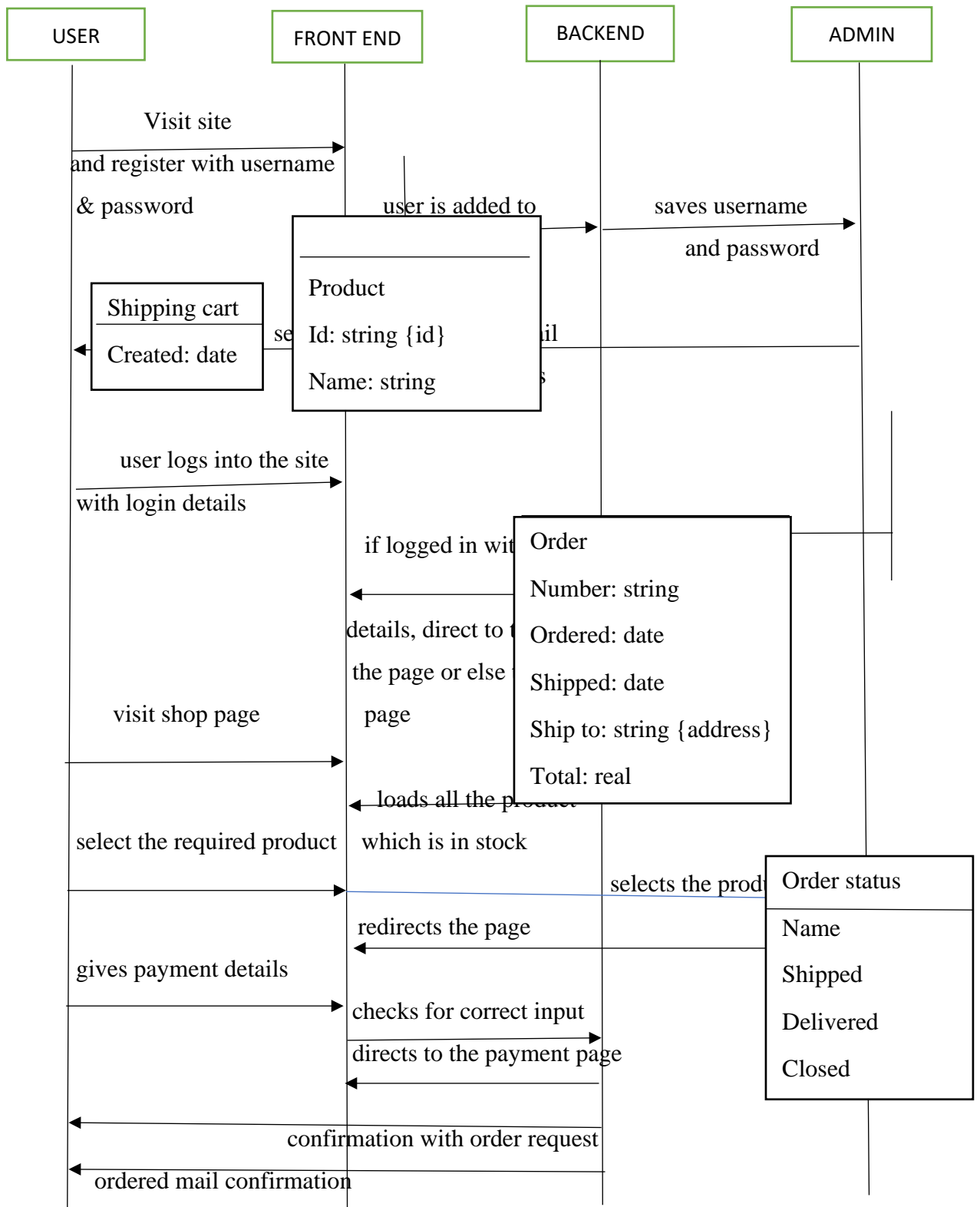


TABLE STRUCTURE

Owner Table

SLNO	Field Name	Data Type	Description
1	Owner_id	Int(10)	Represents the specific owner
2	Name	Varchar(60)	Represents the owner name
3	Password	Varchar(60)	Represents the owner password
4	Gender	Varchar(10)	Represents the gender
5	Mobile Number	Varchar(10)	Represents the mobile number
6	Email	Varchar(100)	Represents the email

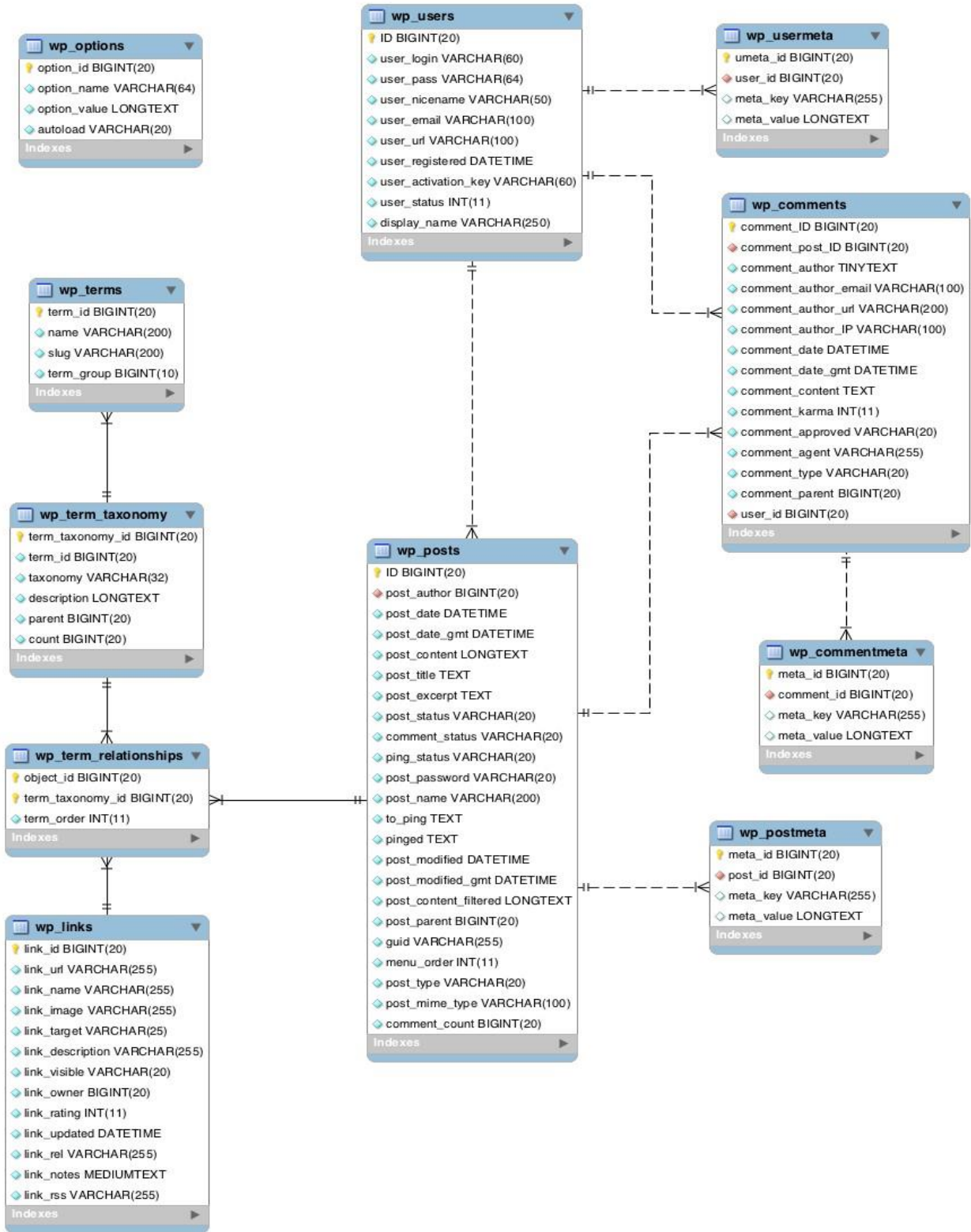
Table 5.1

Table 5.1 has the field names such as Owner id, Name, password, gender, mobile number, and Email which stores data type.

5.2 User Table:

SL NO	Field Name	Data Type	Description
1	User_Login	Varchar(60)	Represents the user to log in
2	User_Password	Varchar(60)	Represents the user password
3	User_Niecenname	Varchar(60)	Represents the username
4	User_Email	Varchar(60)	Represents the user email
5	User_Url	Varchar(100)	
6	User_Register	Date Time	Represents the user date and time
7	User_Activation_key	Varchar(60)	Represents the user to activate the key

8	User_status	Int(10)	Represents the status
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CHAPTER 6

IMPLEMENTATION

6.1.IMPLEMENTATION

To develop the actual application or system, the developer can start coding after finishing the design. The best way to develop the system is to follow module wise or routine wise development process. By doing so, the developer can develop the functionalities of a particular module efficiently. It also gives some relaxation to the developer by avoiding the hesitation of the chances of mixing functionalities.

The enactment stage of the project is where the speculative design adapted into the working system. At this phase, the main workload, the enormous up rebuild, and the main effect or occurring process shift to the user department. Thus it can be deemed to be the vastly crucial level in obtaining prosperous new systems and in lending the users believe that the new system will work and be useful.

The execution phase of the project pertains to the thorough intending, inquiry of the present system and its limitations on the undertaking, design of procedure to achieve the conversion, acquainting of staff in the change over protocols, and experiment of the changeover procedure. The change can take place in different strides.

Building software is one thing and the performance of the built software is the next thing. The technique of executing software is much complicated as correlated to the chore of building the project because enactment gives information about the omissions and faults. Firstly we have to tool the software on a small scale for reducing the peeves and other mistakes in the project and after omitting them as an outcome there will be no nags and crimes, we can execute the software on a large scale.

6.2. SCREENSHOTS:



[HOME](#) [SHOP](#) [ABOUT US](#) [EVENTS & CLASSES](#) [CONTACT US](#)

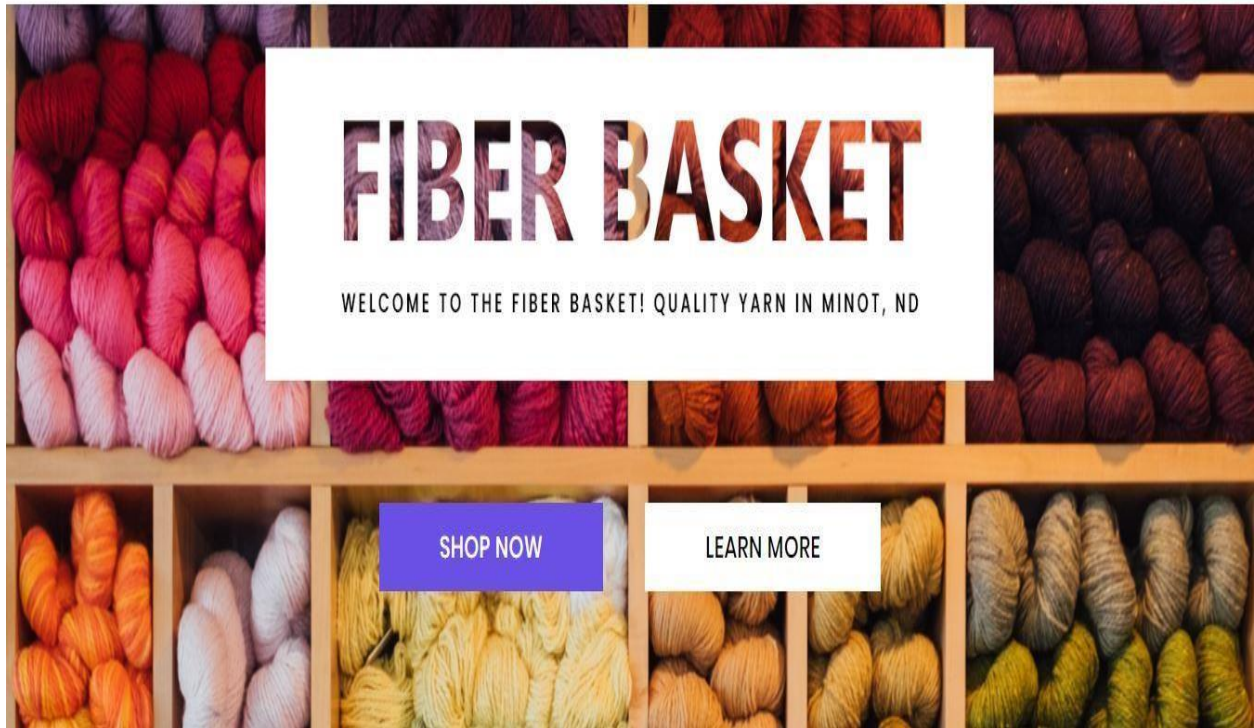


Figure 6.1 Main page

This screenshot is the home page that has options like shop now and learns more. And also the many more functionalities button are present on this page.

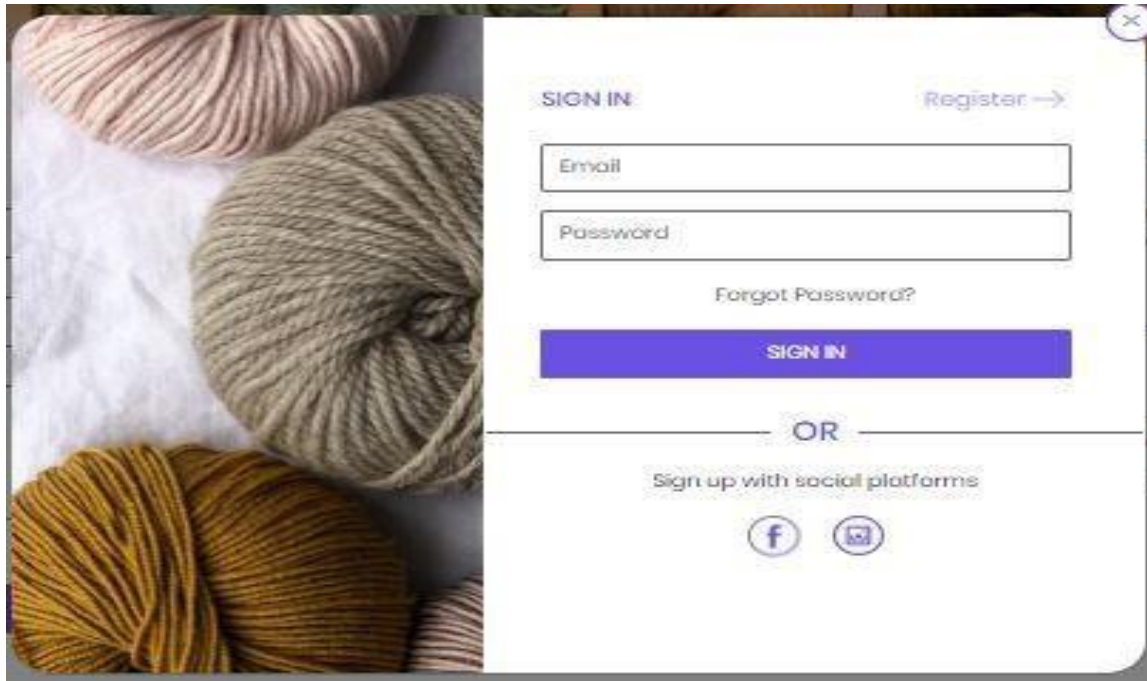


Figure 2 Login page

This screenshot describes the login page if the user is registered can sign in and if the user is not registered then he/she has to register and then sign in.

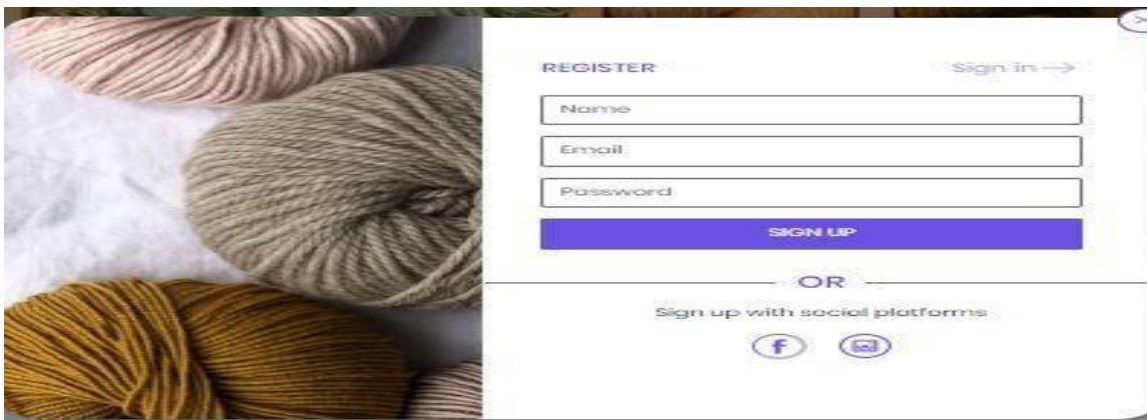


Figure 6.3 Register Page

The register page is for those who register for the first time to sign in again. The user name and the password will be stored here and is helpful for the user at the time of sign in.

— ABOUT US —

Minot's Finest Yarn Shop

Knitting or crocheting with yarn is a fantastic way to relax and to show off your creativity.

Just a few basic stitches, either in knitting or crochet, and you will be on your way to making scarfs and hats, sweaters and socks, afghans, and toys.

Let us help you find the right yarn, learn a new technique, or get inspired to finish a project.

Want to own your own yarn shop? Franchise opportunities available.

[LEARN MORE](#)



Figure 6.4 About page

About page is the description of the fiber basket which explains detail about the yarn, crocheting, and knitting.



Want to Learn to Knit or Crochet?

Join us for one of our classes in June.

Call us (701-852-9292) or email us (fiberbasket@yahoo.com), sign up via our Facebook events, or stop in to reserve your spot! Classes are priced as specified.

We are always available to help you out on a project or to get you started on a new one. Just stop by the store when we are open.

[CONTACT US](#)

Figure 6.5

This screenshot is the about us page which specifies the contact number with the mail address.



Send Message

Name

Email

Message

Better yet, see us in person!

Would your group like to knit or crochet at the shop? We can host you during open hours and evenings. Just let us know when and how many!

HOURS

Mon	Closed
Sun	Closed
Tue	11:00 am - 6:00 pm
Wed	11:00 am - 6:00 pm
Thur	11:00 am - 6:00 pm
Fri	11:00 am - 6:00 pm
Sat	11:00 am - 6:00 pm

ADDRESS

Fiber Basket
1407 South Broadway Street, Minot,
North Dakota 58701, United States
701-852-9292

Figure 6.6

The main page of contact us page where the customers can contact them through the message along with the name, email, and their specified message.

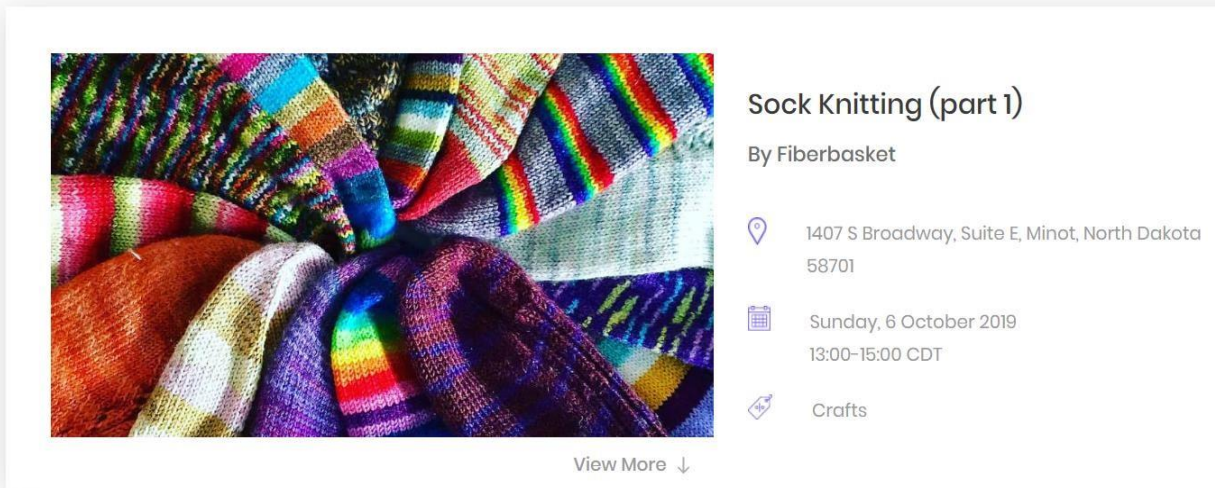


Figure 6.7

This screenshot is the example of the events taking place at North Dakota and it is about the sock knitting.

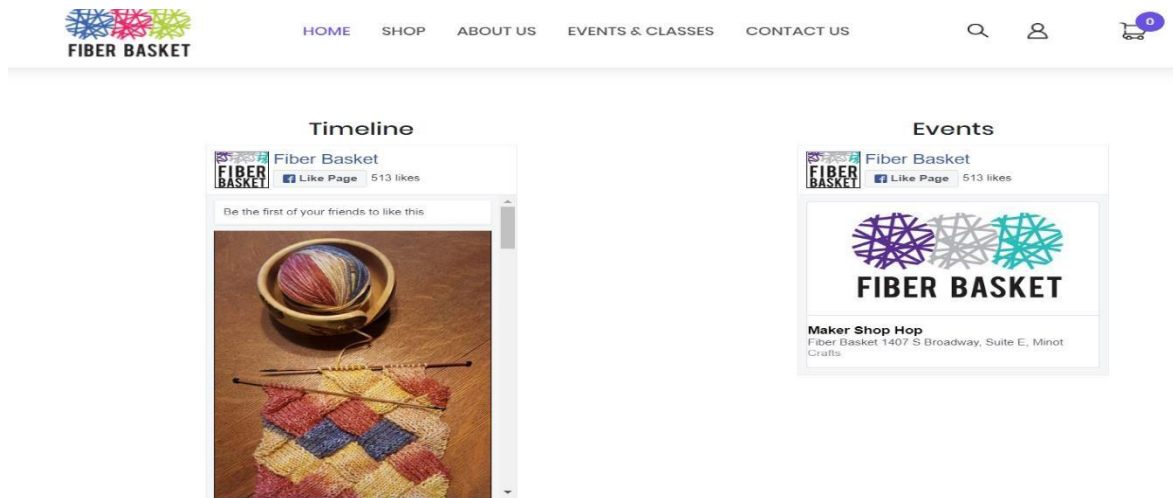


Figure 6.8

This screenshot describes the events which take place at different locations. And also the classes for knitting and crocheting.

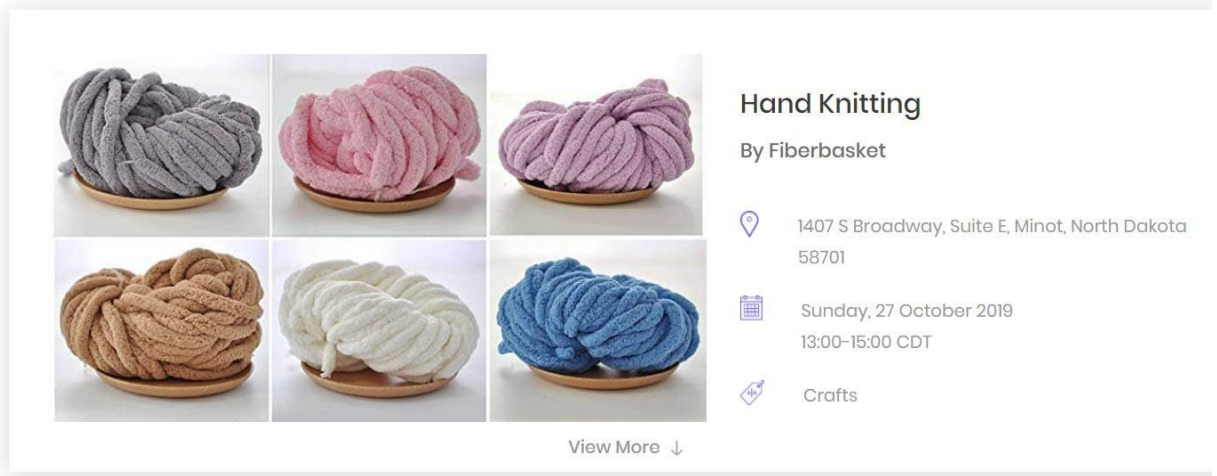


Figure 6.9

Hand Knitting class was taken by fiber basket which took place at North Dakota

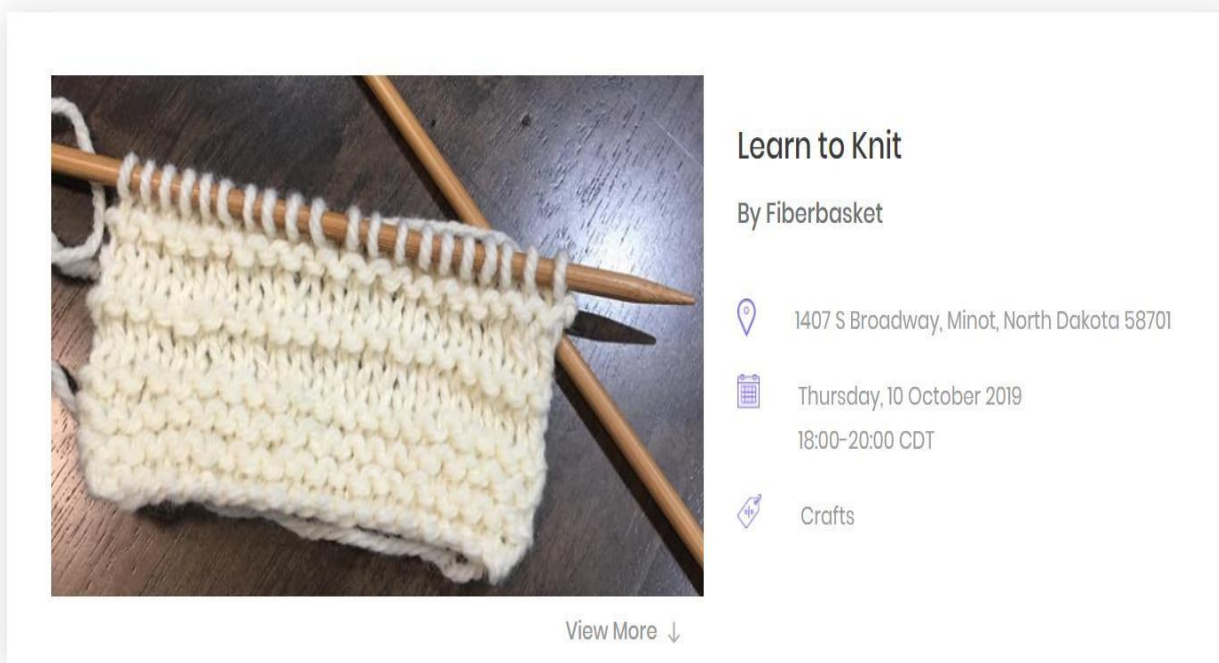


Figure 7

Learn to Knit classes which involve teaching class regarding sweater knitting

CHAPTER 7

SOFTWARE TESTING

7.1 SOFTWARE TESTING:

It is very much necessary to check and verify whether an application or a product is working or not according to the specified requirements or expected outcomes. Such a process of checking is called “testing”. By doing so, we can come to know whether the application has an error or not and can be fixed in time. Software testing can be called as the process where it involves checking and validating the software program.

Some of the aspects of testing are:

- Check whether the application accepts proper data or not.
- Check whether it gives the expected output or not.

7.2 BLACK BOX TESTING:

This testing examines the application’s functionalities regarding the user interfaces and designs, but don’t know how it is working or even don’t consider the internal implementation. In simple words, it checks only the surface parts or areas of the application. It doesn’t care how the coding has been done to achieve a particular functionality. This testing can consider an application working properly if the above-mentioned criteria are met.

7.3. WHITE BOX TESTING:

The interior functionalities of the system or an application are examined properly by this testing. It deals with the coding skills of a programmer or a developer that checks how much effect he can code for a particular part or module. This helps in many ways regarding performance, module interactions, etc. This testing is suitable for unit, integration, and system testing. That means firstly, a specific module has to be tested one after another, secondly, if they are error-free then further integration can be done between some modules to make a complete system, and lastly the whole system can be tested.

Test Cases For Fiber Basket

Test Scenario	Test Setup	Test Data	Expected Result	Actual Result
Registration page	Need to Enter details of All the Required Fields in register page	Valid Input data should be provided	Successful Message should be displayed	The successful message is displayed
Login page	The registered user should enter their Email Id & password In Login Page	Registered Email and password should be given	User able to log in to website and page redirect to dashboard	After successfully logged in page is redirecting to dashboard
Subscribe Form	User can use Subscribe Form In-Page	The valid email should be provided	Thanks for subscribing message should be displayed	Thanks for subscribing The message is displaying.
Filters in shop page	User Should click on the shop on our page and select the filters.	User should select the filters accordingly	After the user selecting the filters, respective items should be displayed.	Respective items are displaying

Add To Cart	User should select the item in shop/Product page	If the user selects the product and the user should click on the add to cart button	Added to cart message should be displayed	Added to cart message is displaying
View cart	Click on "view cart" button	Click on "view cart" button	View cart page should be shown	View cart page is displaying
Check out	Click on the "Continue To Checkout" button	Click on "continue to checkout" button	Checkout page should be displayed	Check out the page is displaying
Increase/Decrease Quantity	Click on the product URL/Page URL	User should go to the product description page or check out page URL	User should be able to increase/decrease the quantity	User can increase/Decrease the quantity
Continue Shopping Button	Click on the "Continue shopping" button	Click on the "continue shopping" button	Shop page should be displayed	The shop page is displaying

CHAPTER-8

CONCLUSION

8.1.CONCLUSION

- The endeavor entitled “Fiber Basket” is a web-based application or a website where users can purchase the fabrics and attend the sections or classes through offline or online.
- This application allows the users to know how the fabrics products are made up of.. visit the stores nearby and we are also available online often.
- This system can be used by any individuals and organizations to attend the classes if the user is ready to learn the making up of fabric products.
- An effective feedback system is provided by the system where users can give their valuable feedback or suggestions so that the services provided by the system can be updated from time to time as the user demands the product.
- This system gives proper authentication which in turn increases security.
- It saves time, resources, and user efforts.
- It increases data security and reliability.
- Everyone can use this platform or system to purchase and attend the classes and makes the user time saving and easy manner to understand through online or offline process.

9.FUTURE ENHANCEMENT

9.1FUTURE ENHANCEMENT

In the future, we can implement the order tracking for a particular product. We can also implement the woocommerce URL coupons for which it includes discount as per the URL. It also helps to overcome Geographical limitations to avail customers from various regions and to shop from their zone. Gain new customers with search engine visibility extend the usability of the products. The costs are also valuable and can assure qualified products. The main benefits include eliminating travel time and cost which will lesser the travel stress and long-distance. This also provides comparison shopping to compare the other products overall. Enable deals, bargains, coupons, and group buying. Provide more information to the customers about the products and to make them available. Create targeted communication with the customers.

CHAPTER-10

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